
GAME REPORT

Wild Turkey Management Surveys, 2002

Rick A. Halseth

South Dakota
Department of
Game, Fish and Parks
Wildlife Division
Joe Foss Building
Pierre, South Dakota 57501

Annual Report
No. 2003-14

WILD TURKEY MANAGEMENT SURVEYS. 2002

Annual Report

by
Rick A. Halseth

Pittman-Robertson Project..... W-95-R-36
Study No. 9505..... Jobs 1, 2, 3,4
Date..... April, 2003

South Dakota Department of Game, Fish and Parks

Department Secretary	Division Director	Grants Coordinator
John Cooper	Doug Hansen	Wayne Winter

Editor:
Wildlife Program Administrator
Ron Fowler

ABSTRACT

TURKEY MANAGEMENT SURVEYS. 2002

Turkey brood survey were conducted from May 15 to September 30, 2002. The ratio of young/hen observed in the Black Hills was 5.2. The prairie turkey brood survey was conducted during the same time period, with the ratio of young/hen being 2.8.

For the 2002 Black Hills spring gobbler turkey season 4,761 licenses were sold to residents and nonresidents. A total of 1,503 gobblers were taken for a success rate of 32%. Residents and nonresidents purchased 5,136 prairie spring turkey licenses, were 54% successful, and bagged 3,571 toms and 199 hens. A total of 1,062 spring archery hunters harvested 283 gobblers for a success rate of 27%.

The fall Black Hills turkey season was opened. Licenses were available on a limited quota basis with a total of 325 licenses sold. Hunter harvest was projected to be 56% with 104 toms and 78 hens harvested. A total of 3,649 (5,520 tags) were issued for the fall prairie turkey season. Hunters bagged 1,545 toms and 1,116 hens, and were 48% successful based on tags issued.

During the 2002-2003 winter, 384 turkeys (73 males and 311 females) were trapped in South Dakota and relocated. Additionally, 34 eastern turkeys (6 males and 28 females) were brought into the state.

During the 2002-2003 winter, 97 winter turkey flock counts were made, down 43% from the previous year. Sixty eight of the 97 observations were classified by sex resulting in a ratio of 36 toms per 100 hens.

PREFACE

Presented in this report are data gathered during the 2002-2003 fiscal period under Pittman-Robertson Project W-95-R-36 for Study No. 9505 titled Wild Turkey Management Surveys. Jobs included are:

Job 9505-1 Turkey Brood Survey

Job 9505-2 Turkey Harvest Survey

Job 9505-3 Turkey Trapping and Tagging

Job 9505-4 Turkey Winter Flock Counts

Previous reports of this study include a study report each year starting with 1973-74, and separate job reports prior to 1973-74. Data from this report can be referenced with permission from the author or Secretary of South Dakota Department of Game, Fish, and Parks. Copies of the report are available from the Department of Game, Fish, and Parks, Anderson Building, Pierre, South Dakota, 57501.

TABLE OF CONTENTS

	Page
ABSTRACT.....	i
PREFACE.....	ii
TABLE OF CONTENTS.....	iii
LIST OF APPENDIX TABLES.....	iv
LIST OF APPENDIX FIGURES.....	v
INTRODUCTION.....	1
STUDY OBJECTIVES.....	1
JOB 9505-1 TURKEY BROOD SURVEY.....	1
JOB 9505-2 TURKEY HARVEST SURVEY.....	2
JOB 9505-3 TURKEY TRAPPING AND TRANSFER.....	4
JOB 9505-4 TURKEY WINTER FLOCK COUNTS.....	4
LITERATURE CITED.....	5
APPENDIX.....	6

LIST OF APPENDIX TABLES

Table	Page
1. Summary of young:hen ratios for the Black Hills, 1963-2002.....	7
2. Mean brood size and ratio of hens without broods to 100 hens with broods for the Black Hills, 1990-2002.....	8
3. Summary of young:hen ratios for the Prairie, 1987-2002.....	9
4. Mean brood size and ratio of hens without broods to 100 hens with broods for the Prairie. 1990-2002.....	10
5. Summary of Black Hills spring turkey harvest, 2002.....	11,12
6. Spring prairie turkey hunter harvest projections, 2002.....	13,14
7. Summary of spring prairie turkey harvest, 2002.....	15
8. Statewide archery spring turkey season summary, 2002.....	16
9. Historical summary of spring turkey seasons, 1962-2002.....	17-19
10. Summary of Black Hills fall turkey season, 2002.....	20,21
11. Fall prairie turkey hunter harvest projections, 2002.....	22,23
12. Summary of fall prairie turkey harvest, 2002.....	24
13. Historical summary of fall turkey seasons, 1954-2002.....	25-27
14. Summary of eastern turkey stockings in South Dakota. 1990-2002.....	28
15. Winter turkey flock counts 2002.....	29

LIST OF APPENDIX FIGURES

Figure	Page
1. Spring firearm turkey hunt units, 2002	29
2. Spring archery turkey hunt units, 2002	30
3. Fall turkey hunt units, 2002	31
4. Winter flock counts by area.	32

WILD TURKEY MANAGEMENT SURVEYS, 2002

INTRODUCTION

Merriam's wild turkey (Meleagris gallopavo merriami) from New Mexico were introduced into the Black Hills in March of 1948. Two additional plantings of wild trapped birds were introduced in 1950 and 1951. Reproduction from this basic stock was trapped and transplanted throughout the Black Hills during the 1950's. Currently Merriam's wild turkeys are found throughout the Black Hills.

During the late 1950's, Merriam's wild turkeys were trapped in the Black Hills and transplanted to various areas on the prairie. At transplant sites turkey populations thrived but as wild turkeys are poor pioneers into new available habitats, expansion was slow. In 1963, Rio Grande turkeys (M. G. Intermedia) were introduced into the state with most plants being made in river bottom habitats. These plants have resulted in extended distribution with variable success. Wild turkeys have been introduced into most suitable habitat in the state.

Harvest regulations applied on an annual basis have protected future stock and provided full utilization and equitable distribution of turkeys that have benefited both hunters and nonconsumptive users.

STUDY OBJECTIVES

Objectives of this study are to annually determine present status and distribution of wild turkey populations, to manipulate turkey populations abased on habitat availability and landowner tolerance, and to obtain hunter harvest information to provide a basis for management decisions.

JOB 9505-1 TURKEY BROOD SURVEY

Objectives

Objectives of this job are to determine population trends, annual production, distribution and relative abundance of wild turkey in South Dakota.

Procedures

The method of collection turkey brood information was established in 1963. Turkey brood data forms are mailed to all Department of Game, Fish, and Parks personnel and to U.S. Forest Service personnel in the Black Hills. Data collection by department personnel for the prairie units began in 1987. Hens and number of young observed during routine field assignments from May 15 to September 30 are recorded. Since Forest Service and department personnel work throughout the area, turkey brood reports are widely distributed. Data forms are returned to the Department of Game, Fish, and Parks regional office in Rapid City where all data are analyzed. Confidence intervals for young/hen ratios are calculated according to Czaplewski et al. (1983). In determining mean brood size those observations where multiple hens are present with young, the average number of young per hen for that observation is used. This is done to maintain independence of observation and so the standard error is not under estimated. Observations of hens with no young are not used in calculating mean brood size.

Findings

Black Hills

In the Black Hills a total of 259 hens and 1,352 young were recorded during the period of May 15 to September 30, 2002. The ratio of young per hen observed was 5.2 and is 2% above the long term average of 5.1 (Appendix Table 1). A total of 132 broods (Appendix Table 2) were observed resulting in a mean brood size of 5.78 ± 0.32 (90% C.I.).

Prairie

Observations in the prairie management units resulted in a count of 89 hens and 246 young. The ratio of young per hen observed was 2.8 which is 30% below the long term year average of 4.0 (Appendix Table 3).

A total of 26 broods (Appendix Table 4) were observed with a mean brood size of 3.32 ± 0.60 (90% C.I.).

Recommendations

1. Turkey brood surveys should be continued as this is the only baseline information collected on reproduction and general distribution of wild turkeys.
2. Forms should continue to be distributed to all Forest Service personnel, in addition to Game, Fish, and Parks personnel.

JOB 9505-2 TURKEY HARVEST SURVEY

Objectives

Objectives of this job are to determine sex composition of fall harvest, amount and distribution of spring and fall harvest, recreational opportunity utilized by hunters, and an index to turkey population and spring nest numbers.

Procedures

Starting in the fall of 1987 a subsampling harvest survey was utilized in replacement of the hunter report card system of past years for determining prairie turkey harvest projections. In the spring of 2002 this system was also incorporated for determining Black Hills turkey harvest projections. A random sample of hunters from all prairie units were contacted by mail after the turkey hunting season. Two follow up mailings were made in order to maximize response and minimize the effect of nonreporters on projected harvest statistics. Projections were made solely from reported data. No correction factors were employed.

Findings

Spring Gobbler Season

The 2002 Black Hills season dates were April 13 - May 19, with unlimited resident and nonresident licenses available. A total of 2,855 resident and 1,906 nonresident licenses were sold. Projected harvest was 1,503 gobblers for a success rate of 32%. The area of highest harvest in the Black Hills season was Pennington County with a projected 588 gobblers taken. The dates of highest reported harvest were the first two Saturdays of the season, April 13 with 12%, and April 20 with 7% (Appendix Table 5).

Fifty prairie units were open to spring turkey hunting outside the Black Hills (Appendix Table 6 and Appendix Figure 1). Starting in 2001 some prairie units allowed the harvest of hens to help address high turkey numbers/depredation complaints. The availability of a spring hen harvest will vary by year and unit in response to these concerns. Season dates and weapon restrictions also varied on a unit basis. Residents and nonresidents purchased 5,136 prairie spring turkey licenses out of 5,655 available. Season success was projected to be 54% with a harvest of 3,571 gobblers and 199 hens. The predominant method of taking turkey in prairie units was by shotgun (76.5% of hunters) (Appendix Table 7).

The 2002 statewide spring gobbler archery season was open from April 13 - May 19 except in designated counties (Appendix Figure 2). There was an unlimited number of licenses available for residents and nonresidents. A total of 825 residents and 237 nonresidents purchased an archery license. Projected harvested was 283 gobblers for a success rate of 27%. The counties with the most hunting pressure were Gregory and Meade with 12.8% and 12.1% of the hunters indicating they had hunted there. (Appendix Table 8).

During the 2002 spring turkey season hunters were allowed to purchase an archery license, a Black Hills license and up to three prairie unit licenses. A historical listing of spring turkey seasons from 1962 to present is provided in Appendix Table 9.

Fall Wild Turkey Season

The 2002 fall Black Hills turkey season was open from October 12 - 20 with 300 resident and 24 nonresident licenses available. Hunters purchased 325 licenses and harvest was projected to be 182 turkeys (104 toms and 78 hens) for a success rate of 56% (Appendix Table 10 and Appendix Figure 3).

Thirty-four prairie units (outside of the Black Hills) were open to residents and nonresidents for 2002 fall turkey hunting (Appendix Table 11 and Appendix Figure 3). Season dates were October 1 - December 31 in all units except for 244A which ran from October 1 - November 15 and 244B which ran from November 16 - December 31. Resident hunters purchased 3,383 licenses (5,098 tags) and nonresidents purchased 266 licenses (422 tags). After the second drawing for licenses all leftover licenses were pooled and residents and nonresidents could apply for these licenses. The maximum number of licenses a hunter could have for this season was 3. The projected kill was 2,661 turkeys, including 58% gobblers. Fall prairie turkey hunter success was projected to be 48% based on tags issued. A majority of hunters (74%) used a shotgun in hunting turkey (Appendix Table 12).

A historical listing of fall turkey seasons from 1954 to present is provided in Appendix Table 13.

JOB 9505-3 TURKEY TRAPPING AND TRANSFER

Objectives

To initiate new turkey populations in available habitat, supplement existing populations, and reduce population numbers where depredation is occurring.

Procedures

The rapid growth of many established flocks along the foothills and on the prairie has begun to cause concern by landowners and managers regarding depredation and disease problems. Where possible, problem flocks are trapped and relocated. These birds are released on cooperating landowners or department lands to establish new or supplement existing flocks.

Findings

During the 2002-2003 winter, 384 turkeys (73 males and 311 females) were trapped and relocated. Trapping occurred in Butte, Codington and Fall River Counties and was done in response to landowner depredation complaints or to remove Rio Grands from Eastern turkey stocking location. A total of 166 turkeys (49 males and 117 hens) were shipped to Utah and the rest were stocked in the Black Hill National Forest. Additionally, 34 eastern turkeys (6 toms and 28 hens) were brought into the state for supplemental stockings in two sites in eastern South Dakota (Appendix Table 14).

During the 2002 turkey seasons only one band return was reported and that came from the Black Hills spring season. This turkey was trapped in 1997 due to a depredation complaint and released on Marcotte GPA in the Black Hills. Harvest location indicates this bird stayed within the vicinity of the release site.

JOB 9505-4 TURKEY WINTER FLOCK COUNTS

Objectives

To annually estimate size, composition and distribution of wintering wild turkey flocks.

Procedure

Winter turkey flock counts will be conducted by Department personnel in known and suspected wild turkey wintering areas. Counts should be conducted during periods of deep snow cover and /or in areas where winter feeding of livestock occurs as this tends to concentrate wild turkeys and restrict their movements.

Findings

During the 2002-03 winter a total of 97 observations were made statewide, down 43% from the previous year. This resulted in a 63% reduction in the total number of turkeys counted (Appendix Table 15 and Appendix Figure 4). Sixty eight of the 97 observations were classified by sex resulting in a ratio of 36 toms per 100 hens. In the Black Hills number of observations (59) increased 20%. Total number of turkeys counted was 4,295 up 112% from last year. Mean flock size increased from 41 birds to 73 birds. Forty four of the 59 observations were classified by sex resulting in a ratio of 33 toms per 100 hens. Observations in Region I decreased 61%. Total number of turkeys counted was 2,808 down 65% from last year. Mean flock size decreased from 90 to 80 birds. Twenty of the 35 observations were classified by sex resulting in a ratio of 52 toms per 100 hens.

LITERATURE CITED

Czaplewski, R.L., D. M. Crowe and L.L. McDonald. 1983. Sample sizes and confidence intervals for wildlife population ratios. Wildl. Soc. Bull. 11(2):121-129.

APPENDIX

Appendix Table 1. Summary of young:hen ratios for the Black Hills, 1963-2002.

Year	Single Hen Observations			Multiple Hen Observations			Combined	
	Hens	Young	Ratio of Young/Hen	Hens	Young	Ratio of Young/Hen	Ratio of Young/Hen	90% CI*
1963	11	100	9.1	59	432	7.3	7.3	
1964	9	57	6.3	30	244	8.1	7.7	
1965	13	94	7.2	71	475	6.7	6.8	
1966	20	190	9.5	78	434	5.6	6.4	
1967	17	142	8.4	22	143	6.4	7.2	
1968	19	139	7.3	99	533	5.4	5.7	
1969	15	109	7.3	72	385	5.3	5.7	
1970	-----Total hens 63 and 504 young -----							
1971	14	98	7.0	155	1126	7.3	7.0	
1972	17	121	7.1	125	624	5.0	5.3	
1973	15	95	6.3	64	384	6.0	6.1	
1974	32	255	8.0	101	470	4.7	5.5	
1975	39	257	6.6	117	539	4.6	5.1	
1976	12	52	4.3	41	93	2.3	2.7	
1977	11	36	3.3	19	108	5.7	4.8	
1978	33	198	6.0	56	184	3.3	4.3	
1979	10	66	6.6	72	412	5.7	5.8	
1980	36	248	7.0	128	687	5.5	5.7	
1981	35	206	5.9	131	617	4.7	5.3	
1982	21	113	5.4	61	292	4.8	4.9	
1983	39	282	7.2	116	537	4.6	5.3	
1984	22	90	4.1	58	227	3.9	4.0	
1985	25	154	6.2	165	572	3.5	3.8	
1986	18	155	5.1	92	404	4.4	5.7	
1987	36	256	7.1	152	821	5.4	5.7	
1988	70	403	5.8	287	1045	3.6	4.1	
1989	60	318	5.3	152	492	3.2	3.8	
1990	43	290	6.7	75	351	4.7	5.43	0.88
1991	43	241	5.6	119	569	4.8	5.00	0.69
1992	27	145	5.4	193	601	3.1	3.39	0.82
1993	24	120	5.0	88	223	2.5	3.06	0.59
1994	51	271	5.3	136	572	4.2	4.51	0.61
1995	35	147	4.2	146	238	1.6	2.13	0.30
1996	47	290	6.2	91	373	4.1	4.80	0.72
1997	53	290	5.5	116	439	3.8	4.31	0.56
1998	31	166	5.4	100	305	3.1	3.60	0.59
1999	30	161	5.4	94	261	2.8	3.40	0.56
2000	20	123	6.2	102	329	3.2	3.70	0.61
2001	35	167	4.8	166	627	3.8	3.95	0.50
Avg.			6.2			4.6	5.1	
2002	61	365	6.0	198	987	5.0	5.22	0.56

Confidence Intervals were calculated using Czaplewski et al (1983).

Appendix Table 2. Mean brood size and ratio of hens without broods to 100 hens with broods for the Black Hills, 1990-2002.

Year	Sample Size	Standard Deviation	Mean Brood	90% C.I.	Ratio of Hens without/ 100 Hens with Broods
1990	64	2.68	6.92	0.55	24
1991	77	2.43	6.02	0.45	12
1992	79	2.38	4.52	0.44	13
1993	40	2.64	5.11	0.69	45
1994	84	2.12	5.59	0.38	15
1995	49	2.71	4.78	0.64	93
1996	78	2.80	5.58	0.52	7
1997	71	3.03	5.77	0.59	25
1998	57	2.68	5.06	0.58	24
1999	60	2.42	4.35	0.51	2
2000	55	2.46	4.56	0.55	0
2001	91	2.24	4.58	0.39	5
Average	67		5.24		22
2002	132	2.21	5.78	0.31	6

Appendix Table 3. Summary of young:hen ratios for the Prairie, 1987-2002.

Year	Single Hen Observations			Multiple Hen Observations			Combined
	Hens	Young	Ratio of Young/Hen	Hens	Young	Ratio of Young/Hen	Ratio of Young/Hen
1987	54	335	6.2	379	2063	5.4	5.5
1988	51	271	5.3	417	1078	2.6	2.9
1989	33	153	4.6	220	612	2.8	3.0
1990	45	234	5.2	196	509	2.6	3.1
1991	17	94	5.5	169	451	2.7	2.9
1992	20	124	6.2	136	355	2.6	3.1
1993	17	111	6.5	61	191	3.1	3.9
1994	19	110	5.8	86	351	4.1	4.4
1995	18	104	5.8	52	218	4.2	4.6
1996	22	154	7.0	64	260	4.1	4.8
1997	14	84	6.0	41	168	4.1	4.6
1998	12	67	5.6	32	165	5.2	5.3
1999	5	41	8.2	74	244	3.3	3.6
2000	8	45	5.6	70	366	5.2	5.3
2001	43	247	5.7	299	976	3.3	3.6
Avg.			5.9			3.7	4.0
2002	7	31	4.4	82	215	2.6	2.8

Appendix Table 4. Mean brood size and ratio of hens without broods to 100 hens with broods for the Prairie, 1990-2002.

Year	Sample Size	Standard Deviation	Mean Brood	90% C.I.	Ratio of Hens without/ 100 Hens with Broods
1990	74	2.62	5.44	0.50	53
1991	48	2.54	4.89	0.60	55
1992	47	2.50	4.90	0.60	39
1993	34	2.58	5.56	0.73	26
1994	40	2.00	5.38	0.52	9
1995	34	2.23	5.50	0.63	11
1996	41	3.10	5.72	0.80	0
1997	23	1.79	5.50	0.64	0
1998	22	1.48	5.32	0.54	0
1999	25	3.30	4.47	1.13	3
2000	31	1.27	5.25	0.37	0
2001	119	2.07	4.88	0.31	17
Average	45		5.23		18
2002	26	1.80	3.32	0.60	6

Appendix Table 5. Summary of Black Hills spring turkey harvest. 2002.

NUMBER OF LICENSES ISSUED	Resident	2,855
	Nonresident	1,906
	Total	4,761
PROPORTION OF HUNTERS SURVEYED		25 %
SURVEY RESPONSE RATE		87%
AVERAGE DAYS HUNTED	Resident	3.91
	Nonresident	3.66
	Overall	3.81
PROJECTED NUMBER OF DAYS HUNTED	Resident	11,163
	Nonresident	6,976
	Overall	18,139
PROJECTED GOBBLER HARVEST		1,503
PROJECTED SUCCESS		32%

Appendix Table 5. Continued.

Distribution of 2002 Black Hills spring turkey harvest by county.			
County	Reported Harvest Of Gobblers	Projected Unreported Harvest of Gobblers	Projected Total Harvest
Custer	75	281	356
Fall River	29	108	137
Lawrence	55	206	261
Meade	34	127	161
Pennington	124	464	588
Total	317	1.186	1.503

Distribution of 2002 Black Hills spring turkey harvest by date.					
Date	Frequency	Percent of Harvest by Date Reported	Date	Frequency	Percent of Harvest by Date Reported
April 13	33	12%	May 1	6	2%
14	12	4%	2	5	2%
15	18	6%	3	7	2%
16	10	4%	4	12	4%
17	10	4%	5	3	1%
18	8	3%	6	4	1%
19	14	5%	7	1	>1%
20	21	7%	8	3	1%
21	5	2%	9	3	1%
22	7	2%	10	3	1%
23	8	3%	11	3	1%
24	5	2%	12	10	4%
25	8	3%	13	2	0%
26	9	3%	14	0	1%
27	12	4%	15	2	1%
28	10	4%	16	4	1%
29	4	1%	17	3	1%
30		2%	18	8	3%
			19	7	2%

Appendix Table 6. Spring prairie turkey hunter harvest projections, 2002.

Licenses						Projected Harvest			
Unit-Type	Resident		Nonresident		Response Rate	Success			
	Available	Sold	Available	Sold		Rate	Toms	Hens	Total
102A-40	200	156	16	60	83%*	58%	126	0	126
	Second Tag					31%	67	0	67
102B-19	40	40	3	3	87%	42%	18	0	18
107B-19	120	120	0	0	84%*	48%	58	0	58
108A-19	20	20	0	0	95%	55%	11	0	11
111A-19	20	10	2	12	100%	91%	20	0	20
112A-19	100	100	0	0	90%	61%	61	0	61
115A-18	25	19	2	7	92%	65%	16	1	17
115A-36	75	69	6	12	92%	65%	49	4	53
	Second Tag					41%	29	4	33
115E-18	50	50	4	4	81%*	59%	27	5	32
115B-36	100	100	8	8	94%	72%	74	4	78
	Second Tag					54%	47	11	58
117A-19	150	150	0	0	88%	59%	88	0	88
119A-19	20	20	0	0	85%	80%	16	0	16
119B-19	20	20	0	0	100%	55%	11	0	11
120A-19	100	1	8	8	78%*	89%	8	0	8
120A-36	75	40	6	14	80%*	61%	28	5	33
	Second Tag					43%	15	8	23
120B-19	100	22	8	15	92%	68%	25	0	25
120B-36	75	74	6	7	75%*	51%	39	2	41
	Second Tag					26%	16	5	21
121A-19	40	40	3	3	82%*	40%	17	0	17
124A-19	120	55	10	23	87%	50%	39	0	39
124A-36	100	100	8	8	95%	73%	71	8	79
	Second Tag					44%	39	8	47
127A-19	150	149	12	13	88%	57%	92	0	92
129A-19	16	16	0	0	100%	81%	13	0	13
129B-19	16	16	0	0	100%	75%	12	0	12
130A-19	700	700	56	56	92%	50%	378	0	378
131A-19	200	200	16	16	89%	54%	117	0	117
135A-19	150	150	12	12	85%	51%	82	0	82
136A-19	20	20	0	0	70%*	45%	9	0	9
137A-19	30	30	0	0	90%	63%	19	0	19
139A-19	100	100	8	8	95%	64%	69	0	69
141A-19	150	17	12	18	89%	43%	15	0	15
141A-36	50	36	5	4	85%	67%	25	6	31
	Second Tag					48%	15	7	22
144A-19	30	30	0	0	87%	50%	15	0	15
144B-19	30	30	0	0	100%	53%	16	0	16
145A-19	50	50	4	4	97%	52%	28	0	28
145B-19	10	10	1	1	82%*	82%	9	0	9
148A-19	30	30	0	0	97%	77%	23	0	23
148B-19	30	30	0	0	97%	57%	17	0	17

Appendix Table 6. Continued.

Unit-Type	Licenses				Response Rate	Success Rate	Projected Harvest		
	Resident		Nonresident				Toms	Hens	Total
	Available	Sold	Available	Sold					
149A-36	350	259	28	118	88%	69%	259	3	262
	Second Tag					53%	193	6	199
150A-36	400	374	32	58	90%	60%	233	28	261
	Second Tag						123	54	177
153A-40	250	213	20	57	89%	56%	151	0	151
	Second Tag					36%	97	0	97
155A-19	25	25	0	0	92%	96%	24	0	24
155B-19	25	25	0	0	100%	72%	18	0	18
156A-19	20	20	0	0	95%	65%	13	0	13
158A-19	50	51	4	3	84%*	35%	19	0	19
160A-19	500	500	40	40	89%	46%	250	0	250
162A-19	30	30	0	0	87%	60%	18	0	18
162B-19	20	20	0	0	97%	47%	14	0	14
164A-40	200	79	16	16	87%	81%	82	14	96
	Second Tag					64%	60	16	76
165A-19	50	9	4	9	78%*	56%	10	0	10
167A-19	50	35	8	4	89%	70%	38	0	38
Licenses	5,292	4,470	363	666.	89%	54%	3,571	199	3,770
Tags	7,167	5,970	513	1,058					

Units with less than 85% response rate may not be within accepted tolerance for data accuracy.

Appendix Table 7. Summary of spring prairie turkey harvest, 2002.

NUMBER OF LICENSES ISSUED	Resident	4,470	5,970 Tags
	Nonresident	666	1,058 Tags
	Total	5,136	7,028 Tags
OVERALL SURVEY SAMPLE SIZE		2,375	
PROPORTION OF ALL HUNTERS SURVEYED		46%	
OVERALL SURVEY RESPONSE RATE		89%	
AVERAGE DAYS HUNTED		2.65	
PROJECTED NUMBER OF DAYS HUNTED		13,610	
PROJECTED TOTAL GOBBLER HARVEST		3,571	
PROJECTED TOTAL HEN HARVEST		199	
PROJECTED OVERALL SUCCESS		54%	

Weapon of choice for the spring prairie firearm season.

Choice of Weapon	Percent of Hunters by Choice of Weapon
Shotgun	76.5%
Rifle	11.1%
Bow	2.4%
Unknown	10.0%

Results are from only hunters that reported a weapon type and hunters could report more than 1 weapon type.

Appendix Table 8. Statewide archery spring turkey season summary, 2002.

TOTAL LICENSED HUNTERS	Resident	825	
	Nonresident	237	
	Total	1,062	
OVERALL SURVEY SAMPLE SIZE		268	
PROPORTION OF HUNTERS SURVEYED		25%	
OVERALL SURVEY RESPONSE RATE		90%	
AVERAGE DAYS HUNTED		4.53	
PROJECTED TOTAL DAYS HUNTED		4,811	
PROJECTED TOTAL GOBBLERS HARVESTED		283	
PROJECTED OVERALL SUCCESS		27%	
DISTRIBUTION OF LAND TYPES WHERE HUNTING OCCURRED	Public	23%	
	Private	77%	
	WIA's	0%	

Spring archery turkey season reported hunter distribution by counties.

County	Number	Percent	County	Number	Percent
Gregory	33	12.8%	Butte	5	1.9%
Meade	31	12.1%	Lyman	4	1.6%
Lincoln	25	9.7%	Yankton	3	1.2%
Pennington	24	9.3%	Brule	3	1.2%
Charles Mix	19	7.4%	Hughes	3	1.2%
Custer	15	5.8%	Jackson	3	1.2%
Union	14	5.4%	Corson	2	0.8%
Tripp	13	5.1%	Haakon	2	0.8%
Minnehaha	12	4.7%	Harding	2	0.8%
Bon Homme	10	3.9%	Mellette	2	0.8%
Fall River	10	3.9%	Perkins	2	0.8%
Clay	7	2.7%	Ziebach	2	0.8%
Lawrence	5	1.9%	Deuel	1	0.4%

Hunters were allowed to indicate up to 3 Counties they hunted in.

Appendix Table 9. Historical summary of spring turkey seasons, 1962-2002.

Year	Area	Season Dates	Number Licenses Authorized	Number Licenses Sold	Projected Percent Success
1 962	Black Hills	April 5 - 25	750	540	12
1 963	Black Hills	April 1 - 30	1,000	621	16
1964	Black Hills	April 1 - 30	1,000	931	12
	1 Prairie unit	April 1 - 30	25	13	1
1965	Black Hills	April 10 - May 9	1,000	965	20
	3 Prairie units	Varied by unit	125	100	2 5
1 966	Black Hills	April 9 - May 8	1,000	1,000	20
	6 Prairie units	April 9 - May 8	185	136	21
1 967	Black Hills	April 8 - May 7	no limit	1,197 (24 nonres)	1 7
	5 Prairie units	April 8 - May 7	195	161	20
1968	Black Hills	April 6 - May 5	no limit	1,480(119 nonres)	17
	7 Prairie units	April 6 - May 5	225	177	21
1 969	Black Hills	April 5 - May 4	no limit	1,858 (77 nonres)	14
	9 Prairie units	April 5 - May 4	320	231	34
1 970	Black Hills	April 4 - May 3	no limit	1,340 (84 nonres)	15
	10 Prairie units	April 4 - May 3	355	310	33
1 971	Black Hills	April 3 - May 2	no limit	1,418 (76 nonres)	20
	11 Prairie units	April 3 - May 2	375	296	41
1972	Black Hills	April 1 - May 7	no limit	1,419 (33 nonres)	30
	11 Prairie units	April 1 - May 7	430	341	40
1973	Black Hills	April 7 - May 6	no limit	2,068 (30 nonres)	24
	11 Prairie units	April 7 - May 6	460	399	47
1974	Black Hills	April 6 - May 5	no limit	2,294 (52 nonres)	23
	11 Prairie units	April 6 - May 5	460	399	47
1 975	Black Hills	April 6 - May 5	no limit	2,266 (58 nonres)	26
	10 Prairie units	April 6 - May 5	465	432	32
1 976	Black Hills	April 3 - May 9	no limit	2,798 (95 nonres)	22
	12 Prairie units	April 3 - May 9	407	284	41
1 977	Black Hills	April 2 - May 8	no limit	² ,119 (84 nonres)	17
	12 Prairie units	April 2 - May 8	365	260	50
1978	Black Hills	April 1 - May 14	no limit	1,827 (81 nonres)	22
	13 Prairie units	Varied by unit	415	341	56
1 979	Black Hills	April 7 - May 13	no limit	1,916 (80 nonres)	27
	14 Prairie units	Varied by unit	700	559	66
1980	Black Hills	April 5 - May 11	no limit	2,362 (230 nonres)	27
	15 Prairie units	Varied by unit	920	772	65
1981	Black Hills	April 4 - May 10	no limit	2,973 (287 nonres)	28
	18 Prairie units	Varied by unit	1,285	1,123	63
1982	Black Hills	April 3 - May 8	no limit	3,164 (432 nonres)	26
	24 Prairie units	Varied by unit	1,736	1,522	52
1 983	Black Hills	April 2 - May 8	no limit	3,098 (463 nonres)	28
	24 Prairie units	Varied by unit	1,350	1,325	52
1984	Black Hills	April 7 - May 13	no limit	3,592 (670 nonres)	29
	31 Prairie units	Varied by unit	1,710	1,499	51
1985	Black Hills	April 6 - May 5	no limit	3,803 (735 nonres)	30
	28 Prairie units	Varied by unit	1,850	1,730	53
1986	Black Hills	April 5 - May 11	no limit	3,510 (815 nonres)	21

Appendix Table 9. Continued.

Year	Area	Season Dates	Number Licenses Authorized	Number Licenses Sold	Projected Percent Success
1987	28 Prairie units	Varied by unit	1,750	1,651	49
	Black Hills	April 4 - May 10	no limit	2,410 (691 nonres)	30
1988	28 Prairie units	April 4 - May 10	1,715	1,624	62
	Black Hills	April 2 - May 8	no limit	2,625 (720 nonres)	No Data
	Statewide Archery	April 2 - May 8	no limit	385 (25 nonres)	19
	27 Prairie units	April 2 - May 2	2,775 res	2,245 res	74
1989			203 nonres	133 non res	
	Black Hills	April 1 - May 14	no limit	2,825 (809 nonres)	39
	Statewide Archery	April 1 - May 14	no limit	490 (33 nonres)	21
	27 Prairie units	April 1 - May 14	2,920 res(4,170 tags)	2,794 res (3962 tags)	58
1990			203 nonres(303 tags)	269 nonres (420 tags)'	
	Black Hills	April 7 - May 13	no limit	3,138 (985 nonres)	33
	Statewide Archery	April 7 - May 13	no limit	455 (64 nonres)	13
	27 Prairie units	April 7 - May 13	3,020 res	2,810 res	57
1991			212 nonres	341 nonres'	
	Black Hills	April 6 - May 12	no limit	3,288 (971 nonres)	33
	Statewide Archery	April 6 - May 12	no limit	471 (58 nonres)	10
	28 Prairie units	April 6 - May 12	2,785 res(2,910 tags)	2,605 res (2732 tags)	50
1992			197 nonres(207 tags)	326 nonres (483 tags)'	
	Black Hills	April 11 - May 17	no limit	3,855 (1,217 nonres)	36
	Statewide Archery	April 11 - May 17	no limit	588 (61 nonres)	19
	29 Prairie units	April 11 - May 17	3,100 res(3,150 tags)	2,857 (2,907 tags)	55
1993			255 nonres(257 tags)	380 nonres (384 tags)'	
	Black Hills	April 10 - May 16	no limit	4,020 (1415 nonres)	31
	Statewide Archery	April 10 - May 16	no limit	506 (74 nonres)	11
	29 Prairie units	April 10 - May 16	2,655 res(2,945 tags)	2,487 (2756 tags)	48
1994			190 nonres(204 tags)	357 nonres (401 tags)'	
	Black Hills	April 9 - May 15	no limit	3,849 (1,549 nonres)	24
	Statewide Archery	April 9 - May 15	no limit	557 (88 non res)	20
	29 Prairie units	April 9 - May 15	2,850 res(2,860 tags)	2,664 (2,673 tags)	55
1995			203 nonres(204 tags)	323 nonres (325 tags)'	
	Black Hills	April 8 - May 21	no limit	3,362 (1039 nonres)	29
	Statewide Archery	April 8 - May 21	no limit	677 (84 nonres)	20
	30 Prairie units	April 8 - May 21	3,110 res(3, 110 tags)	2,999 res (2999 tags)	53
1996			221 nonres(221 tags)	319 nonres (319 tags)'	
	Black Hills	April 13 - May 19	no limit	2,497 (741 nonres)	37
	Statewide Archery	April 13 - May 19	no limit	782 (105 nonres)	27
	29 Prairie units	April 13 - May 19	3,265 res(3,665 tags)	3,122 res (3522 tags)	54
1997			236 nonres(268 tags)	339 nonres (371 tags)'	
	Black Hills	April 12 - May 18	no limit	2,754 (754 nonres)	37
	Statewide Archery	April 12 - May 18	no limit	754 (96 nonres)	17
	31 Prairie units	April 12 - May 18	3,790 res(4,240 tags)	3,356 res (3,771 tags)	50
			275 nonres(311 tags)	348 nonres (383 tags)'	

Appendix Table 9. Continued.

Year	Area	Season Dates	Number Licenses Authorized	Number Licenses Sold	Projected Percent Success
1998	Black Hills	April 11 - May 17	no limit	3,475 (1,058 nonres)	36
	Statewide Archery	April 11 - May 17	no limit	788 (90 nonres)	17
	34 Prairie units	April 11 - May 17	4,075 res(4,575 tags) 297 nonres(337 tags)	3,794 res (4,273 tags) 405 nonres (451 tags)'	59
1999	Black Hills	April 10 - May 16	no limit	3,552 (1,402 nonres)	37
	Statewide Archery	April 10 - May 16	no limit	700 (124 nonres)	25
	36 Prairie units	April 10 - May 16	4,320 res(4870 tags) 315 nonres(361 tags)	3,702 res (4,176tags) 506 nonres (565tags)'	62
2000	Black Hills	April 8 - May 21	No limit	3,374 (1,348 nonres)	38
	Statewide Archery	April 8 - May 21	No limit	826 (158 nonres)	20
	41 Prairie units	April 8 - May 21 ²	4,358 res(5,653 tags) 305 nonres(375 tags)	3,969 res (5,129 tags) 553 nonres (798 tags)'	57
2001	Black Hills	April 14 - May 20	No limit	3,998 (1,632 nonres)	34
	Statewide Archery	April 14 - May 20	No limit	915 (213 nonres)	23
	43 Prairie units	April 14 - May 20 ²	5,047 res(6,827 tags) 351 nonres(491 tags)	4,357 res (5,912 tags) 606 nonres (919 tags)'	53
2002	Black Hills	April 13 - May 19	No limit	4,761 (1,906 nonres)	32
	Statewide Archery	April 13 - May 19	No limit	1,062 (237 nonres)	27
	50 Prairie units	April 13 - May 19 ²	5,292 res(7,167 tags) 363 nonres(513 tags)	4,470 res (5,970 tags) 666 nonres (1,058 tags)'	54

¹ Leftover resident licenses sold to nonresidents² Season dates varied by unit

Appendix Table 10. Summary of Black Hills fall turkey harvest, 2002.

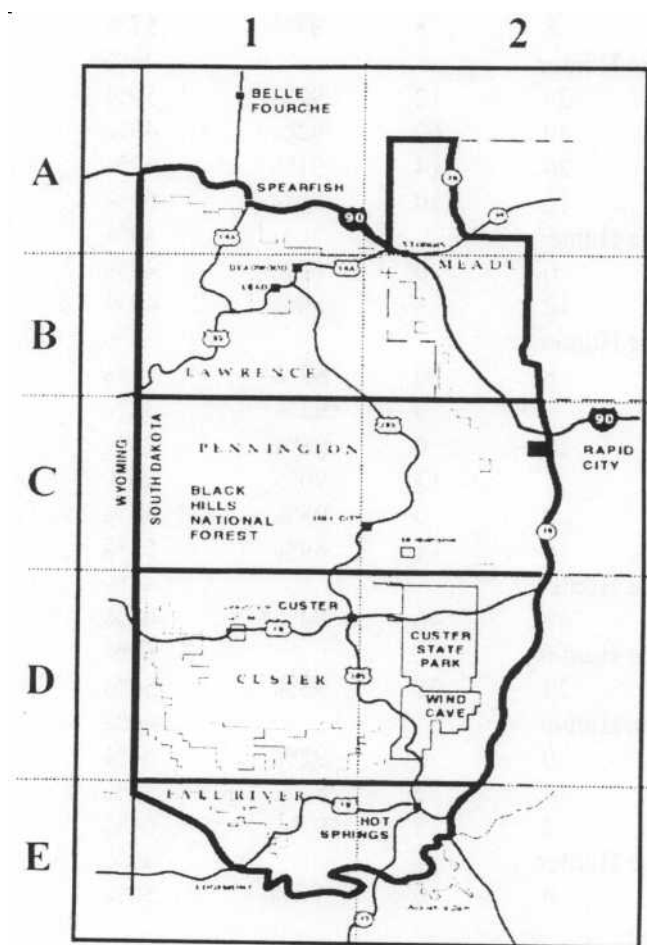
NUMBER OF LICENSES ISSUED	Resident	Available	Issued
		300	303
	Nonresident	24	22
	Total	324	325
PROPORTION OF HUNTERS SURVEYED			47°0
SURVEY RESPONSE RATE			90%
AVERAGE DAYS HUNTED	Overall		2.2
PROJECTED NUMBER OF DAYS HUNTED	Overall		715
PROJECTED HARVEST	Toms		104
	Hens		78
	Total		182
PROJECTED SUCCESS			56%

Distribution of 2002 Black Hills fall turkey harvest by date.

Date	Frequency	Percent of Harvest by Date Reported
October 12	20	33%
13	12	20%
14	5	8%
15	4	7%
16	3	5%
17	1	2%
18	5	8%
19	3	5%
20	7	12%

Appendix Table 10. Continued.

2002 fall Black Hills turkey harvest distribution			
Harvest Location	Number of Hunters Reporting	Percent of Total Reports	Projected Total Harvest
A 1	6	6.7%	12
A 2	1	1.1%	2
B 1	11	12.4%	23
B 2	1	1.1%	2
C 1	21	23.6%	43
C 2	24	27.0%	49
D 1	10	11.2%	20
D 2	1	1.1%	2
E 1	2	2.2%	4
E 2	2	2.2%	4
Unk	10	11.2%	20
Total	89	100.0%	182



Appendix Table 1.1. Fall prairie turkey hunter harvest projections, 2002.

Unit	Residents		Nonresidents		Response		Harvest Projections		
	Available	Sold	Available	Sold	Rate	Success	Toms	Hens	Total
202A-36	250	121	20	9	100%	45%	38	21	59
	Second Tag Same Hunter					44%	23	34	57
202B-18	40	25	3	2	75%*	30%	4	4	8
207A-18	100	85	0	0	96%	41%	23	12	35
211A-18	20	22	2	0	77%*	68%	12	3	15
212A-18	100	100	0	0	97%	39%	20	19	39
215A-36	150	76	12	4	90%	43%	26	8	34
	Second Tag Same Hunter					29%	12	11	23
215B-36	300	143	24	14	91%	52%	45	36	81
	Second Tag Same Hunter					27%	29	14	43
217A-18	150	150	0	0	86%	55%	65	18	83
219A-18	20	20	0	0	100%	40%	5	3	8
220A-36	100	46	8	0	84%*	15%	3	4	7
	Second Tag Same Hunter					11%	1	4	5
220B-36	100	86	8	4	91%	62%	23	33	56
	Second Tag Same Hunter					43%	11	28	39
221A-18	50	30	4	2	90%	28%	9	0	9
224A-36	100	100	8	8	89%	57%	43	19	62
	Second Tag Same Hunter					48%	26	26	52
227A-18	300	193	24	12	92%	59%	71	49	120
230A-18	500	480	40	60	92%	49%	157	109	266
231A-18	250	126	20	14	91%	42%	44	15	59
235A-36	200	204	16	10	94%	60%	86	42	128
	Second Tag Same Hunter					40%	36	50	86
236A-18	30	5	0	0	87%	40%	1	1	2
239A-36	150	101	12	8	89%	46%	39	11	50
	Second Tag Same Hunter					34%	11	26	37
241A-18	100	22	8	0	89%	14%	1	2	3
244A-18	40	40	0	0	93%	30%	8	4	12
244B-18	40	40	0	0	98%	25%	8	2	10
245A-18	100	95	8	13	90%	56%	36	24	60
248A-18	50	50	0	0	98%	44%	12	10	22
249A-36	200	129	16	11	89%	58%	72	19	81
	Second Tag Same Hunter					44%	37	24	61
250A-36	500	309	40	46	84%*	66%	131	103	234
	Second Tag Same Hunter					52%	51	135	186
253A-36	250	243	20	28	93%	50%	102	33	135
	Second Tag Same Hunter					41%	53	59	112
255A-18	100	100	0	0	92%	64%	48	16	64
258A-18	50	30	4	3	87%	52%	11	6	17
260A-36	100	100	8	8	97%	64%	50	19	69
	Second Tag Same Hunter					49%	12	41	53
262A-18	20	20	0	0	90%	50%	7	3	10

Appendix Table 11. Continued.

	Residents		Nonresidents		Response	Unit/Subunit	Harvest Projections		
Unit	Available	Sold	Available	Sold	Rate	Success	Toms	Hens	Total
264A-36	200	57	16	6	92%	43%	20	7	27
	Second Tag Same Hunter					38%	11	13	24
265A-18	50	1	4	4	100%	60%	1	1	3
267A-18	50	34	4	0	88%	44%	10	5	15
Licenses	4,760	3,383	329	266	91%	48%	1,545	1,116	2,661
Tags	7,360	5,098	537	422					

*Estimates were calculated for units where response was less than 85% and may not be within +/- 15% of the sample statistic.

Appendix Table 12. Summary of fall prairie turkey harvest, 2002.

TOTAL LICENSED HUNTERS	Resident	3,383	5,098 Tags
	Nonresident	266	422 Tags
	Total	3,649	5,520 Tags
SURVEY SAMPLE SIZE		2,089	
PROPORTION OF HUNTERS SURVEYED		57%	
SURVEY RESPONSE RATE		91%	
AVERAGE DAYS HUNTED		2.77	
PROJECTED NUMBER OF DAYS HUNTED		10,108	
PROJECTED GOBBLERS HARVESTED		1,545	
PROJECTED HENS HARVESTED		1,116	
PROJECTED TOTAL HARVEST		2,661	
PROJECTED OVERALL SUCCESS		48%	

Recreational days of hunting by method of taking.

Method of Taking	Number of Hunters Responding	Percent of Hunters	Projected Days Hunted
Shotgun	1177	74.2%	2,255
Rifle	271	17.1%	519
Other	87	5.5%	167
Not Indicated	51	3.2%	98

Hunters were only able to respond with a single weapon type.

Appendix Table 13. Historical summary of fall turkey seasons. 1954-2002.

Year	Area	Season Dates	Number Licenses Authorized	Number Licenses Sold	Projected Percent Success
1954	Black Hills	December 4-12	75	750	21
1955	No Season				
1956	No Season				
1957	Black Hills	October 12-24	2500	2,326	20
	1 Prairie Unit	October 12-24	100	data not available	
1958	Black Hills	October 15-November 5	2200	2,144	29
1959	Black Hills	October 24-November 15	No Limit	2,570	17
	2 Prairie Units	October 24-November 15	300	188	20
1960	Black Hills	October 29-November 20	No Limit	2,214	8
	2 Prairie Units	October 29-November 20	300	data not available	
1961	Black Hills	October 14-November 12	No Limit	2,270	22
1962	Black Hills	October 13-November 15	No Limit	1,860	17
	1 Prairie Unit	October 13-November 15	20	20	20
1963	Black Hills	October 12-November 15	No Limit	2,079	20
1964	Black Hills	October 12-November 15	No Limit	2,346	17
1965	Black Hills	October 16-November 14	No Limit	3,549	19
1966	Black Hills	October 12-November 30	No Limit	4,308	24
1967	Black Hills	October 14-November 30	No Limit	3,433 (67 non-res)	11
1968	Black Hills	October 12-November 30	No Limit	4,647 (164 non-res)	23
1969	Black Hills	October 11-November 30	No Limit	4,681 (245 non-res)	14
1970	No Season				
1971	Black Hills	October 29-31	No Limit	932 (38 non-res)	43
1972	Black Hills	October 21-31	No Limit	2,431 (27 non-res)	39
1973	Black Hills	October 20-31	No Limit	2,923 (48 non-res)	34
1974	Black Hills	October 12-31	No Limit	3,451 (45 non-res)	25
1975	Black Hills	October 11-31	No Limit	4,123 (53 non-res)	39
1976	Black Hills	October 9-31	No Limit	3,443 (48 non-res)	19
1977	Black Hills	October 8-16	No Limit	1,622 (20 non-res)	26
1978	Black Hills	October 14-18	No Limit	1,208 (15 non-res)	29
1979	Black Hills	October 13-21	No Limit	1,848 (14 non-res)	32
1980	Black Hills	October 11-19	No Limit	2,381 (37 non-res)	42
	3 Prairie Units	October 11-19	330	330	71
1981	Black Hills	October 10-25	No Limit	2,638 (61 non-res)	40
	10 Prairie Units	October 10-25	930	784	65
1982	Black Hills	October 9-24	No Limit	2,407 (82 non-res)	36
	11 Prairie Units	October 9-24	870	870	69
1983	Black Hills	October 8-16	No Limit	3,226 (120 non-res)	33
	11 Prairie Units	October 1-14	1470	1,306	52
1984	Black Hills	October 6-21	No Limit	3,015 (92 non-res)	35
	9 Prairie Units	October 6-21	1150	1,111	69
1985	Black Hills	October 12-27	No Limit	2,993 (80 non-res)	26
	12 Prairie Units	September 28-October 18	1555	1,492	59
1986	Black Hills	October 11-19	No Limit	1,018 (57 non-res)	30
	14 Prairie Units	September 27-October 19	1515	1,162 (9 non-res)	72
1987	Black Hills	October 10-18	no limit	1,184 (52 non-res)	50
	17 Prairie Units	September 26-October 11	1,815 (1,875 tags)	1,117 (1,160 tags)	81

Appendix Table 13. Continued.

<u>Year</u>	<u>Area</u>	<u>Season Dates</u>	<u>Number Licenses Authorized</u>	<u>Number Licenses Sold</u>	<u>Projected Percent Success</u>
1988	Black Hills	October 8-23	no limit	1,559 (44 non-res)	50
	22 Prairie Units	October 1-14 and November 1-30	2,480 res (4,690 tags) 185 non-res (361 tags)	2,259 (4,312 tags) 115 (221 tags)	69
1989	Black Hills	October 14-29	no limit	1,405 (47 non-res)	45
	22 Prairie Units	September 30-October 20 November 1-December 10	3,355 res (6,040 tags) 243 non-res (454 tags)	2,693 (5,004 tags) 179 (343 tags)	52
1990	Black Hills	October 13-28	no limit	1,560 (41 non-res)	51
	24 Prairie Units	October 1-December 9 October 1-19*	2,625 res (4,160 tags) 178 non-res (302 tags)	2,226 (3,533 tags) 173 (289 tags)	57
1991	Black Hills	October 12-27	no limit	1,627 (49 non-res)	45
	25 Prairie Units	October 1-December 22 October 1-18*	2,640 res (3,705 tags) 180 non-res (266 tags)	2,225 (3,098 tags) 176 (246 tags)	56
1992	Black Hills	October 10-25	no limit	1,633 (45 non-res)	42
	23 Prairie Units	October 1-December 20 October 1-16*	2,765 res (4,445 tags) 201 non-res (336 tags)	2,276 (3,634 tags) 168 (282 tags)	46
1993	Black Hills	October 9-24	no limit	1,086 (61 non-res)	31
	23 Prairie Units	October 1-December 19 October 1-31	2,325 res (3,565 tags) 167 non-res (267 tags)	1,978 (2,923 tags) 144 (230 tags)	43
1994	Black Hills	October 8-14	no limit	692 (23 non-res)	38
	23 Prairie Units	October 1-December 18 October 1-31**	2,160 res (3,000 tags) 151 non-res (219 tags)	1,738 (2,360 tags) 145 (227 tags)	56
1995	Black Hills	Season Closed			
	24 Prairie Units	October 1-December 17 October 1-31**	2,630 res (3,380 tags) 192 non-res (256 tags)	2,118 (2,690 tags) 179 (245 tags)	51
1996	Black Hills	Season Closed			
	24 Prairie Units	October 1-December 22	2,845 res (4,175 tags) 205 non-res (311 tags)	2,479 res (3,690 tags) 240 non-res (362 tags)	53
1997	Black Hills	Season Closed			
	28 Prairie Units	October 1 - December 31	3,405 res (4,850 tags) 250 non-res (366 tags)	2,995 res (4,245 tags) 217 non-res (311 tags)	57
1998	Black Hills	Season Closed			
	28 Prairie Units	October 1 - December 31	3,585 res (4,790 tags) 266 non-res (363 tags)	3,273 res (4,376 tags) 226 non-res (305 tags)	58
1999	Black Hills	October 9 - 17	no limit	674 (29 nonres)	58
	28 Prairie Units	October 1 - December 31	3,510 res (5,920 tags) 258 non-res (452 tags)	3,013 res (5,233 tags) 220 non-res (394 tags)	60
2000	Black Hills	October 14 - 22	no limit	628 (33 nonres)	54
	28 Prairie Units	October 1 - December 31	4,080 res (6,680 tags) 299 nonres (507 tags)	3,396 res (5,717 tags) 278 nonres (467 tags)	50
2001	Black Hills	Season Closed			
	33 Prairie Units	October 1 - December 31 Oct. 1 - Nov. 15 *** Nov. 16-Dec. 31****	4,350 res (7,280 tags) 310 nonres (542 tags)	3,258 res (5,320 tags) 266 nonres (441 tags)	54

Appendix Table 13. Continued.

Year	Area	Season Dates	Number Licenses Authorized	Number Licenses Sold	Projected Percent Success
2002	Black Hills	October 12 -20	324	325	56
	34 Prairie Units	October 1 - December 31	4,760 res (7,360 tags)	3,383 res (5,098 tags)	48
		Oct. 1 -Nov. 15 ***	329 nonres (537 tags)	266 nonres (422 tags)	
		Nov. 16 - Dec. 31 ****			

* Season dates for Bon Homme, Gregory, Union and Yankton counties.

** Season dates for Bon Homme, Union and Yankton counties.

*** Season dates for Unit 144A.

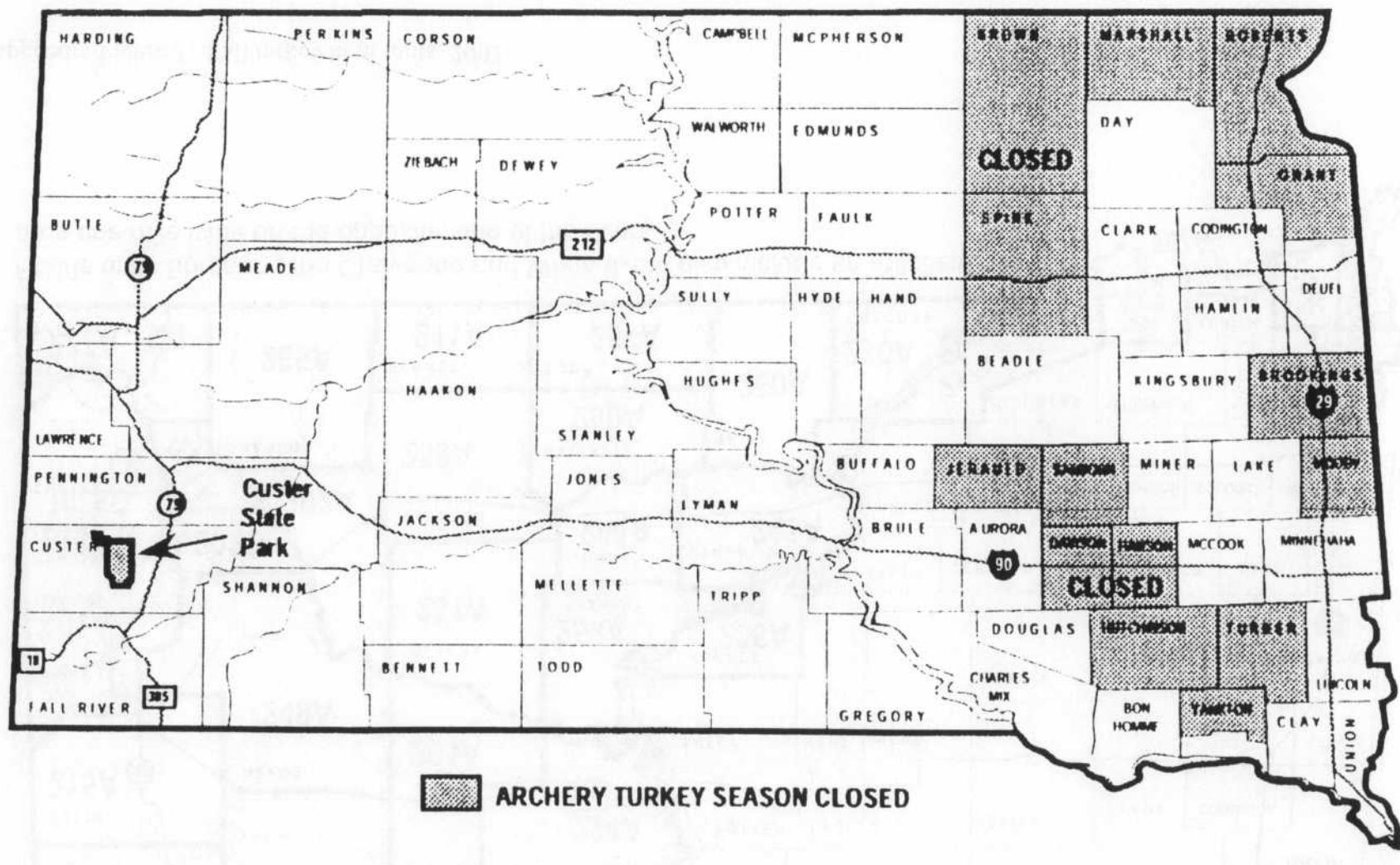
**** Season dates for Unit 144B.

Appendix Table 14. Summary of eastern turkey stockings in South Dakota, 1990 - 2002.

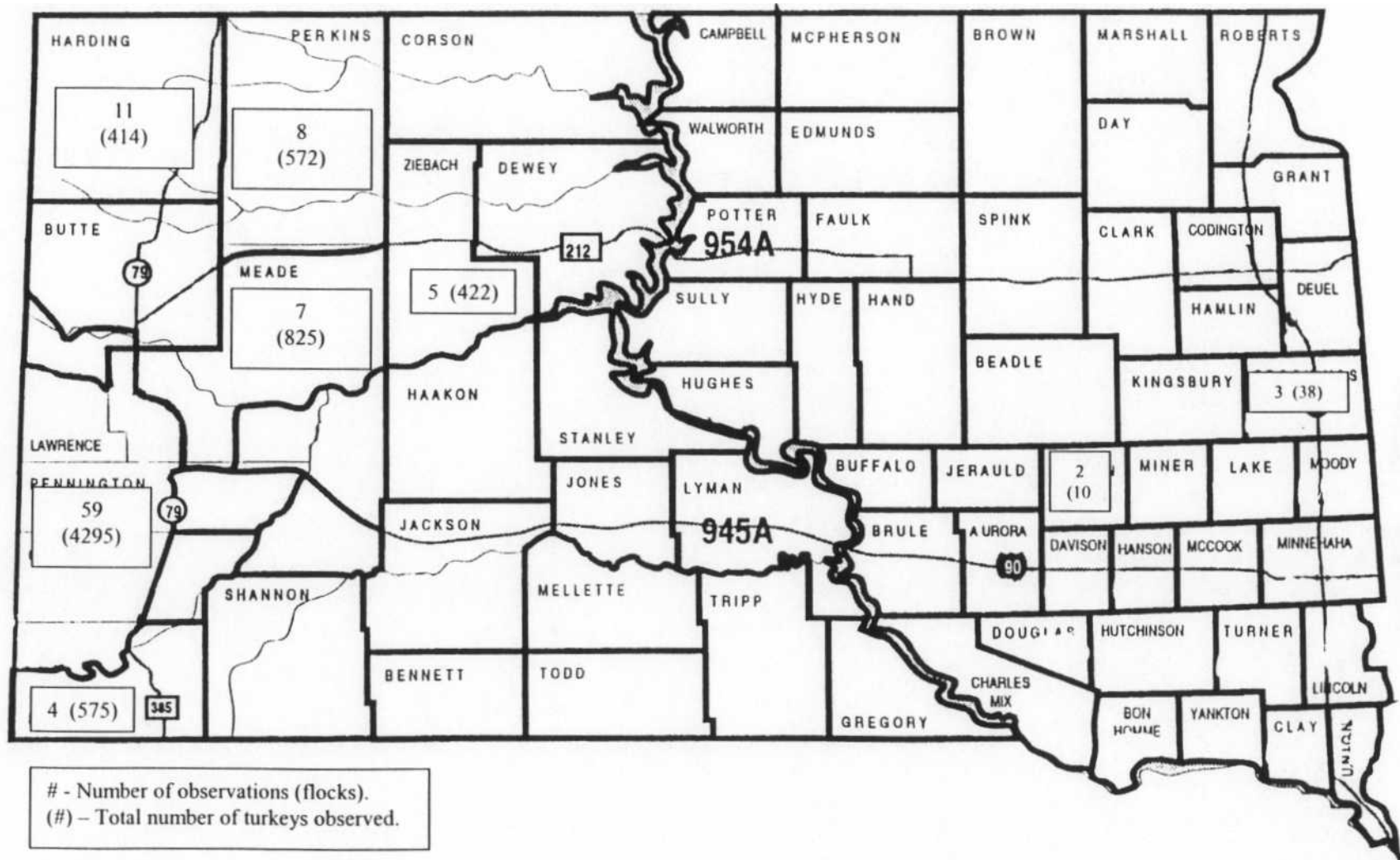
Year	Toms	Hens	Total	Source	Stocking Location	
					County	Site
1990	4	9	13	Iowa	Union	Spink Hills
1993	5	15	20	Iowa	Sanborn	Forestburg
1994	3	14	17	Missouri	Spink	Mellette
1994	4	15	19	Missouri	Hanson	Mitchell
1995	3	18	21	Missouri	Hutchinson	Brandt
1995	4	17	21	Missouri	Hutchinson	Hogrefe
1995	3	13	16	Missouri	Spink	Mellette
1995	3	18	21	Missouri	Hanson	Tuttle
1995	4	16	20	Missouri	Hutchinson	Schaeffer
1996	2	13	15	Missouri	Marshall	LeBelle 1
1996	4	10	14	Missouri	Marshall	LeBelle 2
1996	4	12	16	Missouri	Marshall	Sieche 1
1996	3	10	13	Missouri	Marshall	Sieche 2
1999	0	19	19	Kentucky	Grant	Stockholm
1999	3	0	3	Iowa	Grant	Stockholm
1999	0	19	19	Kentucky	Grant	Reville
1999	3	0	3	Iowa	Grant	Reville
1999	3	16	19	Iowa	Grant	Marvin 1
1999	3	15	18	Iowa	Grant	Yellow Bank 1
1999	3	15	18	Iowa	Grant	LaBolt 1
2000	2	5	7	Iowa	Grant	Marvin 2
2000	2	0	2	Iowa	Grant	Yellow Bank 2
2000	4	16	20	Iowa	Grant	LaBolt 2
2000	1	6	7	Iowa	Grant	Reville
2000	6	18	24	Iowa	Turner	Turkey Ridge
2000	5	0	5	Kentucky	Marshall	Sieche 2
2000	2	11	13	Missouri	Yankton	Irene
2000	0	11	11	Missouri	Yankton	Schramm
2000	1	1	2	Kentucky	Yankton	Schramm
2000	1	14	15	Kentucky	Yankton	Stone Church
2001	0	16	16	Kentucky	Brookings	Oakwood St. Park
2001	1	5	6	Kentucky	Brookings	Oakwood St. Park
2001	0	12	12	Kentucky	Brown	Elm River
2001	1	0	1	Missouri	Brookings	Oakwood St. Park
2001	2	0	2	Missouri	Brown	Elm River
2002	1	0	1	Kentucky	Jerauld	Wessington Springs
2002	2	0	2	Kentucky	Brookings	Oakwood St. Park
2002	3	0	3	Kentucky	Brown	Elm River
2002	5	14	19	Missouri	Jerauld	Wessington Springs
2002	3	8	11	Missouri	Brown	Stratford
2002	1	4	5	Kentucky	Brown	Stratford
2002	1	4	5	Kentucky	Jerauld	Wessington Springs
2002	1	4	5	Kentucky	Jerauld	Wessington Springs
2003	3	14	17	Kentucky	Moody	Flandreau
2003	3	14	17	Kentucky	Moody	Egan

Appendix Table 15. Turkey winter flock counts, 2002.

Area	Observations		Hens	Unclassified	Total	Mean Flock Size
Black Hills	59	540	1652	2103	4295	73
Region 1	35	232	446	2130	2808	80
Region III	5	10	103	32	145	29



Appendix Figure 2. Spring archery turkey hunt units, 2002.



Appendix Figure 4. Winter flock counts by area